(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 14 April 2005 (14.04.2005)

PCT

(10) International Publication Number WO 2005/032480 A3

(51) International Patent Classification7:

A61K 33/40

(21) International Application Number:

PCT/US2004/032375

(22) International Filing Date: 4 October 2004 (04.10.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/508,748

3 October 2003 (03.10.2003)

(71) Applicant and

(72) Inventor: BOSTON, Judith [US/US]; 1601 N. Sepulveda Blvd. #387, Manhattan Beach, CA 90266 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 29 December 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHODS, COMPOSITIONS,, APPARATUSES CONTAINING TETRAMERIC OXYGEN

(57) Abstract: Compositions and methods of treating conditions requiring oxygen or resulting from molecular damage induced by reactive metabolites, hypoxia or ischemia. Tetrameric oxygen is administered alone as an aqueous solution or in conjunction with additional agents. Treatable conditions include cancer, viral diseases, ocular disease, autoimmune, inflammatory disease and other conditions requiring improved oxygenation.